

	Type	Hits	Search Text	DBs
6	BRS	170620	257/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	BRS	76680	439/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	BRS	5796	h05k001/16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	BRS	2271	h05k007/10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	BRS	536307	174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11	BRS	1120	(174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	IS&R	1799	((174/260) or (174/262)).CCLS.	USPAT
13	BRS	1733	((((174/260) or (174/262)).CCLS.) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)	USPAT
14	IS&R	1564	((257/738) or (257/778)).CCLS.	USPAT
15	BRS	1451	((((257/738) or (257/778)).CCLS.) not (((174/260) or (174/262)).CCLS.) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)))	USPAT
16	BRS	1341	(((((257/738) or (257/778)).CCLS.) not (((174/260) or (174/262)).CCLS.) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)))) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)	USPAT

	Type	Hits	Search Text	DBs
17	IS&R	2083	((361/760) or (257/737) or (257/779)).CCLS.	USPAT
18	BRS	1404	((((361/760) or (257/737) or (257/779)).CCLS.) not (((257/738) or (257/778)).CCLS.))	USPAT
19	BRS	1145	(((((361/760) or (257/737) or (257/779)).CCLS.) not (((257/738) or (257/778)).CCLS.)) not (((174/260) or (174/262)).CCLS.))	USPAT
20	BRS	1109	((((((361/760) or (257/737) or (257/779)).CCLS.) not (((257/738) or (257/778)).CCLS.)) not (((174/260) or (174/262)).CCLS.)) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)	USPAT
21	IS&R	1165	((257/698) or (174/263) or (174/264)).CCLS.	USPAT
22	BRS	1030	((((257/698) or (174/263) or (174/264)).CCLS.) not (((361/760) or (257/737) or (257/779)).CCLS.))	USPAT
23	BRS	967	(((((257/698) or (174/263) or (174/264)).CCLS.) not (((361/760) or (257/737) or (257/779)).CCLS.)) not (((257/738) or (257/778)).CCLS.))	USPAT
24	BRS	749	((((((257/698) or (174/263) or (174/264)).CCLS.) not (((361/760) or (257/737) or (257/779)).CCLS.)) not (((257/738) or (257/778)).CCLS.)) not (((174/260) or (174/262)).CCLS.))	USPAT
25	BRS	727	((((((((257/698) or (174/263) or (174/264)).CCLS.) not (((361/760) or (257/737) or (257/779)).CCLS.)) not (((257/738) or (257/778)).CCLS.)) not (((174/260) or (174/262)).CCLS.)) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)	USPAT
26	BRS	12558	bga or (ball adj grid adj array)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text	DBs
27	BRS	2	(bga or (ball adj grid adj array)) and (stress adj relief adj substrate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
28	BRS	7	("5477933" "5499444" "5598036" "5620927" "5652185" "5663594" "5874776").PN.	USPAT
29	BRS	5	6163462.URPN.	USPAT
30	BRS	0	(bga or (ball adj grid adj array)) and (compliant adj layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
31	BRS	1845	(bga or (ball adj grid adj array)) and (interconnect)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
32	BRS	0	((bga or (ball adj grid adj array)) and (interconnect)) and (thermal near1 coefficient)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
33	BRS	411	((bga or (ball adj grid adj array)) and (interconnect)) and (thermal near1 coefficient)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
34	BRS	346	((((bga or (ball adj grid adj array)) and (interconnect)) and (thermal near1 coefficient)) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
35	BRS	328	(((((bga or (ball adj grid adj array)) and (interconnect)) and (thermal near1 coefficient)) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)) not (((257/698) or (174/263) or (174/264)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text	DBs
36	BRS	290	(((((bga or (ball adj grid adj array)) and (interconnect)) and (thermal near1 coefficient)) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)) not (((257/698) or (174/263) or (174/264)).CCLS.)) not (((361/760) or (257/737) or (257/779)).CCLS.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
37	BRS	269	(((((bga or (ball adj grid adj array)) and (interconnect)) and (thermal near1 coefficient)) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)) not (((257/698) or (174/263) or (174/264)).CCLS.)) not (((361/760) or (257/737) or (257/779)).CCLS.)) not (((257/738) or (257/778)).CCLS.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
38	BRS	261	((((((bga or (ball adj grid adj array)) and (interconnect)) and (thermal near1 coefficient)) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)) not (((257/698) or (174/263) or (174/264)).CCLS.)) not (((361/760) or (257/737) or (257/779)).CCLS.)) not (((257/738) or (257/778)).CCLS.)) not (((174/260) or (174/262)).CCLS.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
39	BRS	34	("3551750" "4064623" "4118090" "4240198" "4295700" "4330165" "4397519" "4402562" "4445735" "4477774" "4506938" "4509099" "4511197" "4593961" "4598246" "4633175" "4634199" "4664458" "4686467" "4793814" "4800335" "4866374" "4870353" "4950980" "4998886" "5069629" "5137456" "5139427" "5207584" "5254834" "5336094" "5360348" "5385477" "5388996").PN.	USPAT
40	BRS	3	("3705332" "4050756" "4064623").PN.	USPAT
41	BRS	25	4240198.URPN.	USPAT

	Type	Hits	Search Text	DBs
42	BRS	33	((bga) or (ball adj grid adj array)).ti,ab. and interposer and (thermal adj expansion)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
43	BRS	20	((bga) or (ball adj grid adj array)).ti,ab. and (stress adj relief) and (thermal adj expansion)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
44	BRS	635	(bga or (ball adj grid adj array)) and (interposer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
45	BRS	267	((bga or (ball adj grid adj array)) and (interposer)) not ((174/\$.ccls. or 361/\$.ccls. or 29/\$.ccls. or 257/\$.ccls. or h05k001/16 or h05k007/10 or 439/\$.ccls.) and interposer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB